



PCT10

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/031,088A

DATE: 07/17/2002

TIME: 09:08:52

Input Set : A:\W142491.txt

Output Set: N:\CRF3\07172002\J031088A.raw

3 <110> APPLICANT: Howard A. Fields
 W--> 4 <110> APPLICANT: Yury E. Khudyakov
 6 <120> TITLE OF INVENTION: Synthetic Peptides Immunoreactive With Hepatitis A
 7 Virus Antibodies
 9 <130> FILE REFERENCE: 14114.0342P1
 11 <140> CURRENT APPLICATION NUMBER: US/10/031,088A
 12 <141> CURRENT FILING DATE: 2002-01-14
 14 <150> PRIOR APPLICATION NUMBER: PCT/US00/19267
 15 <151> PRIOR FILING DATE: 2000-07-14
 17 <150> PRIOR APPLICATION NUMBER: 60/144,412
 18 <151> PRIOR FILING DATE: 1999-07-15
 20 <160> NUMBER OF SEQ ID NOS: 94
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 25 <211> LENGTH: 21
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
 31 VP2 and VP4 Peptides
 33 <400> SEQUENCE: 1
 34 Gly Leu Asp His Ile Leu Ser Leu Ala Asp Ile Glu Glu Glu Gln Met
 35 1 5 10 15
 37 Ile Gln Ser Val Gln
 38 20
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 47 VP2 and VP4 Peptides
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 50 Asp Arg Thr Ala Val Thr Gly Ala Ser Tyr Phe Thr Ser Val Asp Gln
 51 1 5 10 15
 53 Ser Ser Val His Gln
 54 20
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 58 <212> TYPE: PRT
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 62 <220> FEATURE:
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64      VP2 and VP4 Peptides
66 <400> SEQUENCE: 3
67 Glu Val Gly Ser His Gln Val Glu Pro Leu Arg Thr Ser Val Asp Lys
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70 Pro Gly Ser Lys Gln
71           20
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76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
81      VP2 and VP4 Peptides
83 <400> SEQUENCE: 4
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85   1           5           10           15
87 Gly Glu Lys Phe Gln
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93 <212> TYPE: PRT
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96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
98      VP2 and VP4 Peptides
100 <400> SEQUENCE: 5
101 Asp Lys Pro Gly Ser Lys Lys Thr Gln Gly Glu Lys Phe Phe Leu Ile
102   1           5           10           15
104 His Ser Ala Asp Gln
105           20
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109 <212> TYPE: PRT
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112 <220> FEATURE:
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114      VP2 and VP4 Peptides
116 <400> SEQUENCE: 6
117 Leu Tyr Asn Glu Gln Phe Ala Val Gln Gly Leu Leu Arg Tyr His Thr
118   1           5           10           15
120 Tyr Ala Arg Phe Gln
121           20
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132 <400> SEQUENCE: 7
133 His Thr Tyr Ala Arg Phe Gly Ile Glu Ile Gln Val Gln Ile Asn Pro
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136 Thr Pro Phe Gln
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146 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
147     VP2 and VP4 Peptides
149 <400> SEQUENCE: 8
150 Ile Asn Pro Thr Pro Phe Gln Gln Gly Gly Leu Ile Cys Ala Met Val
151   1           5           10           15
153 Pro Gly Asp Gln
154           20
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159 <212> TYPE: PRT
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163 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
164     VP2 and VP4 Peptides
166 <400> SEQUENCE: 9
167 His Phe Lys Asp Pro Gln Tyr Pro Val Trp Glu Leu Thr Ile Arg Val
168   1           5           10           15
170 Trp Ser Glu Leu Gln
171           20
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179 <220> FEATURE:
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181     VP2 and VP4 Peptides
185 <400> SEQUENCE: 10
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187   1           5           10           15
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195 <212> TYPE: PRT
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198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
200     VP3 Peptide
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203 Ser Asp Pro Ser Gln Gly Gly Gly Ile Lys Ile Thr His Phe Thr Thr
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206 Trp Thr Ser Ile Gln
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217     VP3 Peptide
219 <400> SEQUENCE: 12
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221   1           5           10           15
223 Leu Ala Ala Gln
224           20
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234     VP3 Peptide
236 <400> SEQUENCE: 13
237 Gln Phe Pro Phe Asn Ala Ser Asp Ser Val Gly Gln Gln Ile Lys Val
238   1           5           10           15
240 Ile Pro Val Asp Gln
241           20
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250 <220> FEATURE:
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252     VP3 Peptide
254 <400> SEQUENCE: 14
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256   1           5           10           15
258 Asp Pro Tyr Phe Gln
259           20
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263 <211> LENGTH: 21
264 <212> TYPE: PRT
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267 <220> FEATURE:
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269     VP3 Peptide
273 <400> SEQUENCE: 15
274 Ser Asp Ser Val Gly Gln Gln Ile Lys Val Ile Pro Val Asp Pro Tyr

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277 Phe Phe Gln Met Gln
278              20
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284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
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288      VP3 Peptide
290 <400> SEQUENCE: 16
291 Ile Lys Val Ile Pro Val Asp Pro Tyr Phe Phe Gln Met Thr Asn Thr
292      1              5              10              15
294 Asn Pro Asp Gln Gln
295              20
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304      VP3 Peptide
307 <400> SEQUENCE: 17
308 Lys Cys Ile Thr Ala Leu Ala Ser Ile Cys Gln Met Phe Cys Phe Trp
309      1              5              10              15
311 Arg Gly Asp Leu Gln
312              20
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323      VP3 Peptide
325 <400> SEQUENCE: 18
326 Phe Trp Arg Gly Asp Leu Val Phe Asp Phe Gln Val Phe Pro Thr Lys
327      1              5              10              15
329 Tyr His Ser Gly Gln
330              20
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335 <212> TYPE: PRT
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338 <220> FEATURE:
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340      VP3 Peptide
342 <400> SEQUENCE: 19
343 Phe Asp Phe Gln Val Phe Pro Thr Lys Tyr His Ser Gly Arg Leu Leu
344      1              5              10              15

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VERIFICATION SUMMARY

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L:302 M:283 W: Missing Blank Line separator, <220> field identifier